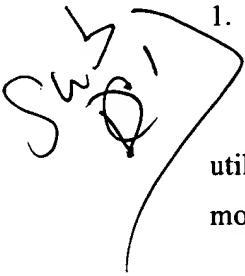




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1. A method for dynamic adaptation of a system in accordance with a contract with criteria associated therewith, comprising:
governing an interaction between a plurality of components of the system utilizing the criteria of the contract, the components including an intrusion detection module;
determining whether the interaction between the components of the system meets the criteria of the contract; and
adapting the interaction between the components of the system upon the criteria of the contract not being met.
 2. The method as recited in claim 1, wherein the interaction between the components of the system is adapted by adjusting the contract.
 3. The method as recited in claim 2, wherein the contract is adjusted by a method selected from the group consisting of deactivation of the contract, modification of the contract, deletion of the contract, and activation of a different contract.
 4. The method as recited in claim 1, wherein the criteria of the contract include cost model criteria.
 5. The method as recited in claim 4, wherein the cost model criteria is based on resource utilization.
 6. The method as recited in claim 4, wherein the cost model criteria are based on performance.
 7. The method as recited in claim 4, wherein the cost model criteria is based on service provisioning.

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8. The method as recited in claim 1, wherein the interaction that is governed and adapted is security-related interaction.
 9. The method as recited in claim 8, wherein the components include the intrusion detection module and an analysis module.
 10. The method as recited in claim 1, wherein the interaction that is governed and adapted is performance-related interaction.
 11. A computer program product for dynamic adaptation of a system in accordance with a contract with criteria associated therewith, comprising:
 - (a) computer code for governing an interaction between a plurality of components of the system utilizing the criteria of the contract, the components including an intrusion detection module;
 - (b) computer code for determining whether the interaction between the components of the system meets the criteria of the contract; and
 - (c) computer code for adapting the interaction between the components of the system upon the criteria of the contract not being met.
 12. The computer program product as recited in claim 11, wherein the interaction between the components of the system is adapted by adjusting the contract.
 13. The computer program product as recited in claim 12, wherein the contract is adjusted by a method selected from the group consisting of deactivation of the contract, modification of the contract, deletion of the contract, and activation of a different contract.
 14. The computer program product as recited in claim 11, wherein the criteria of the contract includes cost model criteria.
 15. The computer program product as recited in claim 14, wherein the cost model criteria is based on resource utilization.

16. The computer program product as recited in claim 14, wherein the cost model criteria is based on performance.
17. The computer program product as recited in claim 14, wherein the cost model criteria is based on service provisioning.
18. The computer program product as recited in claim 11, wherein the interaction that is governed and adapted is security-related interaction.
19. The computer program product as recited in claim 18, wherein the components include the intrusion detection module and an analysis module.
20. An apparatus for dynamic adaptation of a system in accordance with a contract with criteria associated therewith, comprising:
a module for:
(a) governing an interaction between a plurality of components of the system utilizing the criteria of the contract, the components including an intrusion detection module;
(b) determining whether the interaction between the components of the system meets the criteria of the contract; and
(c) adapting the interaction between the components of the system upon the criteria of the contract not being met.
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21. A method for dynamic adaptation of a system in accordance with a contract with criteria associated therewith, comprising:
governing a performance-related interaction between a plurality of components of the system utilizing the criteria of the contract;
determining whether the interaction between the components of the system meets the criteria of the contract; and
adapting the interaction between the components of the system upon the criteria of the contract not being met;

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wherein the interaction between the components of the system is adapted by adjusting the contract by a method selected from the group consisting of deactivation of the contract, modification of the contract, deletion of the contract, and activation of a different contract.
